

Appl. No. 10/633,970
Atty. Docket No. 9153R
Response Dated: September 17, 2004
Reply to Office Action of March 17, 2004
Customer No. 27752

AMENDMENT TO THE CLAIMS

1. (original) A composition comprising a plurality of polysaccharide particles, wherein the polysaccharide particles comprise a polysaccharide component comprising xylose and arabinose, wherein the ratio of the xylose to the arabinose is at least about 3 : 1, by weight, and wherein the polysaccharide particles have a mean particle size distribution of from about 0.001 microns to about 150 microns.
2. (original) The composition according to Claim 1 comprising from about 10% to about 90% by of the polysaccharide component by weight of the composition.
3. (original) The composition according to Claim 1 comprising from about 20% to about 50% by of the polysaccharide component by weight of composition.
4. (original) The composition according to Claim 1 comprising from about 30% to about 70% of the polysaccharide component by weight of composition.
5. (original) The composition according to Claim 1 wherein the ratio of the xylose to the arabinose is from about 3 : 1 to about 6 : 1, by weight.
6. (original) The composition according to Claim 5 wherein the polysaccharide particles further comprise a component selected from the group consisting of galactose, glucose, uronic acid, and mixtures thereof.
7. (original) The composition according to Claim 6 wherein the mean particle size distribution of the polysaccharide particles is from about 0.1 microns to about 125 microns.
8. (original) The composition according to Claim 7 wherein the mean particle size distribution of the polysaccharide particles is from about 1 micron to about 100 microns.

Appl. No. 10/633,970
Atty. Docket No. 9153R
Response Dated: September 17, 2004
Reply to Office Action of March 17, 2004
Customer No. 27752

9. (original) The composition according to Claim 6 wherein the ratio of the xylose to the arabinose is from about 3 : 1 to about 5 : 1, by weight.

10. (original) The composition according to Claim 9 further comprising a starch, wherein the polysaccharide particles and at least a portion of the starch are physically distinct.

11. (original) The composition according to Claim 10 comprising from about 10% to about 90% of the starch, by weight of the composition.

12. (original) The composition according to Claim 9 further comprising a gum, wherein the polysaccharide particles and at least a portion of the gum are physically distinct.

13. (original) The composition according to Claim 12 comprising from about 0.001% to about 10% of the gum, by weight of the composition.

14. (original) The composition according to Claim 13 wherein at least one gum is selected from the group consisting of tara gum and guar gum.

15. (original) The composition according to Claim 1 further comprising a plurality of agglomerates, wherein the agglomerates comprise the polysaccharide particles and a dispersing component selected from the group consisting of binders, suspending agents, edible acids, and mixtures thereof.

16. (original) The composition according to Claim 15 wherein the agglomerates have a mean particle size distribution of from about 100 microns to about 500 microns.

17. (original) The composition according to Claim 16 wherein the ratio of the xylose to the arabinose is from about 3 : 1 to about 6 : 1, by weight.

Appl. No. 10/633,970
Atty. Docket No. 9153R
Response Dated: September 17, 2004
Reply to Office Action of March 17, 2004
Customer No. 27752

18. (original) The composition according to Claim 17 wherein the polysaccharide particles further comprise a component selected from the group consisting of galactose, glucose, uronic acid, and mixtures thereof.

19. (original) The composition according to Claim 18 wherein the mean particle size distribution of the agglomerates is from about 100 microns to about 400 microns.

20. (original) The composition according to Claim 19 further comprising a component selected from the group consisting of lubricating agents, emulsifiers, surfactants, cellulosic materials, and mixtures thereof.

21. (original) The composition according to Claim 18 wherein the ratio of the xylose to the arabinose is from about 3 : 1 to about 5 : 1, by weight.

22. (original) The composition according to Claim 21 further comprising a starch, wherein the agglomerates and at least a portion of the starch are physically distinct.

23. (original) The composition according to Claim 22 comprising from about 10% to about 90% of the starch, by weight of the composition.

24. (original) The composition according to Claim 21 further comprising a gum, wherein the agglomerates and at least a portion of the gum are physically distinct.

25. (original) The composition according to Claim 24 comprising from about 0.001% to about 10% of the gum, by weight of the composition.

26. (original) The composition according to Claim 25 wherein at least one gum is selected from the group consisting of tara gum and guar gum.

27. (original) The composition according to Claim 18 wherein the agglomerates comprise from about 10% to about 90% of the binder, by weight of the agglomerates.

Appl. No. 10/633,970
Atty. Docket No. 9153R
Response Dated: September 17, 2004
Reply to Office Action of March 17, 2004
Customer No. 27752

28. (original) The composition according to Claim 27 wherein the binder comprises maltodextrin.

29. (original) The composition according to Claim 28 wherein the agglomerates comprise from about 20% to about 80% of the xylose and arabinose, by weight of the agglomerates.

30. (original) The composition according to Claim 29 wherein the agglomerates comprise from about 10% to about 60% of the binder, by weight of the agglomerates.

31. (original) The composition according to Claim 30 wherein the agglomerates comprise from about 30% to about 70% of the xylose and arabinose and from about 20% to about 50% of the binder, all by weight of the agglomerates.

32. (original) The composition according to Claim 27 wherein the agglomerates further comprise an edible acid.

33. (Currently amended) The composition according to Claim 32 wherein at least one edible acid is selected from the group consisting of lactic acid, citric acid, malic acid, fumaric acid, adipic acid, phosphoric acid, gluconic acid, tartaric acid, ascorbic acid, acetic acid, ~~phosphoric acid~~, and succinic acid.

34. (original) The composition according to Claim 33 wherein the agglomerates comprise from about 0.001% to about 8% of the edible acid, by weight of the agglomerates.

35. (original) The composition according to Claim 34 wherein at least one edible acid is citric acid.

36. (original) The composition according to Claim 27 further comprising a starch, wherein the agglomerates and at least a portion of the starch are physically distinct.

37. (original) The composition according to Claim 36 comprising from about 10% to about 90% of the starch, by weight of the composition.

Appl. No. 10/633,970
Atty. Docket No. 9153R
Response Dated: September 17, 2004
Reply to Office Action of March 17, 2004
Customer No. 27752

38. (original) The composition according to Claim 27 further comprising a gum, wherein the agglomerates and at least a portion of the gum are physically distinct.

39. (original) The composition according to Claim 38 comprising from about 0.001% to about 10% of the gum, by weight of the composition.

40. (original) A composition comprising a plurality of agglomerates, wherein the agglomerates comprise a polysaccharide component comprising xylose and arabinose, wherein the ratio of the xylose to the arabinose is at least about 3 : 1, by weight, and wherein the agglomerates have a mean particle size distribution of from about 100 microns to about 500 microns.

41. (original) The composition according to Claim 40 wherein the agglomerates further comprise a dispersing component selected from the group consisting of binders, suspending agents, edible acids, and mixtures thereof.

42. (original) The composition according to Claim 41 wherein the agglomerates further comprise a component selected from the group consisting of galactose, glucose, uronic acid, and mixtures thereof.

43. (original) The composition according to Claim 42 wherein the mean particle size distribution of the agglomerates is from about 100 microns to about 400 microns.

44. (original) The composition according to Claim 43 wherein the mean particle size distribution of the polysaccharide particles is from about 125 microns to about 350 microns.

45. (original) The composition according to Claim 41 wherein the ratio of the xylose to the arabinose is from about 3 : 1 to about 6 : 1, by weight.

46. (original) The composition according to Claim 45 further comprising a starch, wherein the agglomerates and at least a portion of the starch are physically distinct.

Appl. No. 10/633,970
Atty. Docket No. 9153R
Response Dated: September 17, 2004
Reply to Office Action of March 17, 2004
Customer No. 27752

47. (original) The composition according to Claim 48 comprising from about 10% to about 90% of the starch, by weight of the composition.

48. (original) The composition according to Claim 47 further comprising a gum, wherein the agglomerates and at least a portion of the gum are physically distinct.

49. (original) The composition according to Claim 48 comprising from about 0.001% to about 10% of the gum, by weight of the composition.

50. (original) The composition according to Claim 48 wherein at least one gum is selected from the group consisting of tara gum and guar gum.

51. (original) The composition according to Claim 47 wherein the agglomerates comprise from about 10% to about 90% of the binder, by weight of the agglomerates.

52. (original) The composition according to Claim 51 wherein the binder comprises maltodextrin.

53. (original) The composition according to Claim 52 wherein the agglomerates comprise from about 20% to about 80% of the xylose and arabinose, by weight of the agglomerates.

54. (original) The composition according to Claim 53 wherein the agglomerates comprise from about 10% to about 60% of the binder, by weight of the agglomerates.

55. (original) The composition according to Claim 54 wherein the agglomerates comprise from about 30% to about 70% of the xylose and arabinose and from about 20% to about 50% of the binder, all by weight of the agglomerates.

56. (original) The composition according to Claim 53 wherein the agglomerates further comprise an edible acid.

57. (currently amended) The composition according to Claim 56 wherein at least one edible acid is selected from the group consisting of lactic acid, citric acid, malic acid, fumaric acid, adipic acid,

Appl. No. 10/633,970
Atty. Docket No. 9153R
Response Dated: September 17, 2004
Reply to Office Action of March 17, 2004
Customer No. 27752

phosphoric acid, gluconic acid, tartaric acid, ascorbic acid, acetic acid, ~~phosphoric acid~~, and succinic acid.

58. (original) The composition according to Claim 57 wherein the agglomerates comprise from about 0.001% to about 8% of the edible acid, by weight of the agglomerates.

59. (original) The composition according to Claim 58 wherein at least one edible acid is citric acid.